FIG. 1

tocaaaaccogaggtotogotaaaatcatcatggattoacttggcgccgtcagcactcga	60
M D S L G A V S T R	10
cttgggtttgatcttttcaaagagctgaagaaaacaaatgatggcaacatcttctttcc	120
L G F D L F K E L K K T N D G N I F F S	30
cctgtgggcatcttgactgcaattggcatggtcctcctgggggacccgaggagccaccgct	180
P V G I L T A I G M V L L G T R G A T A	50
ccccagttggaggaggtgtttcactctgaaaaagagacgaagagctcaagaataaaggct	240
S O L E E V F H S E K E T K S S R I K A	70
gaagaaaaagaggtgattgagaacacagaagcagtacatcaacaattccaaaagtttttg	300
EEKEVIENTEAVHQQFQKFL	90
actgaaataagcaaactcactaatgattatgaactgaac	360
TEISKLINDYELNITNRLFG	110
gaaaaaacatacctcttccttcaaaaatacttagattatgttgaaaaatattatcatgca	420
EKTYLFLQKYLDYVEKYYHA	130
tctctggaacctgttgattttgtaaatgcagccgatgaaagtcgaaagaagattaattcc	480
SLEPVDFVNAADESRKKINS	150
tgggttgaaagcaaacaaatgaaaaaatcaaggacttgttcccagatggctctattagt	540
WVESKTNEKIKDLFPDGSIS	170
agctctaccaagctggtgctggtgaacatggtttattttaaagggcaatgggacagggag	600
S S T K L V L V N M V Y F K G Q W D R E	190
tttaagaaagaaaatactaaggaagagaaattttggatgaataagagcacaagtaaatct	660
F K K E N T K E E K F W M N K S T S K S	210
gtacagatgatgacacagagccattcctttagcttcactttcctggaggacttgcaggcc	720
V Q M M T Q S H S F S F T F L E D L Q A	230
aaaattctagggattccatataaaaacaacgacctaagcatgtttgtgcttctgcccaac	780
KILGIPYKNNDLSMFVLLPN	250
gacatcgatggcctggagaagataatagataaaataagtcctgagaaattggtagagtgg	840
DIDGLEKIIDKISPEKLVEW	270
actagtccagggcatatggaagaaagaaaggtgaatctgcacttgccccggtttgaggtg	900
TSPGHMEERKVNLHLPRFEV	290
gaggacagttacgatctagaggcggtcctggctgccatggggatgggcgatgccttcagt	960
EDSYDLEAVLAAMGMGDAFS	310
gagcacaaagccgactactcgggaatgtcgtcaggctccgggttgtacgcccagaagttc	
EHKADYSGMSSGSGLYAQKF	330
ctgcacagttcctttgtggcagtaactgaggaaggcaccgaggctgcagctgccaccggc	
L H S S F V A V T E E G T E A A A A T G	350
ataggetttactgtcacatecgeeccaggtcatgaaaatgttcactgcaatcatecette	
I G F T V T S A P G H E N V H C N H P F	370
ctgttcttcatcaggcacaatgaatccaacagcatcctcttcttcggcagattttcttct	
L F F I R H N E S N S I L F F G R F S S	390
ccttaagatgatcgttgccatggcattgctgcttttagcaaaaacaactaccagtggta	
P Stop	391
ctcatatgaatatgaaaat	1279

EEGVEAAAATAVVVVEL SSPST P15 • P15 • EEGTEAAAATGIGFTVT SALGH SPTST TGHGG scissile pouq EEGAEAAAATAVVGFGS EEGTEAAAGTGGVMTGR --GTXAAAAT---hinge region

> headpin SCCA2 SCCA1 PAI-2

consensus

